Abstract

An electrically conductive composite comprising a polyvinylidene fluoride polymer or copolymer and carbon nanotubes is provided. Preferably, carbon nanotubes may be present in the range of about 0.5-20% by weight of the composite.

The composites are prepared by mixing or dispersing carbon nanotubes in polymer emulsion using an energy source such as a Waring blender. The liquid in the mixture is then evaporated to obtain the composite comprising the polymer and the nanotubes.